

Skell, P. S., 9:287	Thurmond, C. D., 11:407	Whiffen, D. H., 11:335
Spikes, J. D., 11:501	Trotman-Dickenson, A. F.,	Wilson, M. K., 9:339
Staveley, L. A. K., 13:351	10:53	
Stein, L., 13:127	V	
Steinberg, I. Z., 12:433		
Stevenson, D. P., 9:359	Van Artsdalen, E. R.,	Yoshizumi, H., 9:245
Stewart, G. H., 11:347	11:273	Young, T. F., 13:435
Sturtevant, J. M., 10:1		
Sugden, T. M., 13:369	W	Z
Swallow, A. J., 10:289		Zettlemoyer, A. C.,
T	Walters, W. D., 12:411	9:439
Taft, R. W., Jr., 9:287	Walton, H. F., 10:123	Zimm, B. H., 13:171
Taylor, H., 12:127; 13:1	Weissman, S. I., 12:151	Zollinger, H., 13:391
	Wertz, J. E., 9:93	Zwolinski, B. J., 12:325

CUMULATIVE INDEX
VOLUMES 9-13
CHAPTER TITLES

CHROMATOGRAPHY

Chromatography

Gas Chromatography

R. A. Keller, G. H. Stewart,
 J. C. Giddings
 H. W. Habgood

11:347-68
 13:259-80

COMBUSTIONCombustion and Flames
 Excited Species in Flames

S. S. Penner, T. A. Jacobs
 T. M. Sugden

11:391-406
 13:369-90

CRYOGENICS

Cryogenics

Cryogenics

H. A. Fairbank, M. J. Buckingham,
 W. M. Fairbank
 E. F. Hammel, W. E. Keller,
 P. P. Craig

9:27-44
 13:281-304

DIELECTRIC POLARIZATION

Dielectric Polarization and Loss

R. H. Cole

11:149-68

ELECTRODES

Electrode Processes

H. Gerischer

12:227-54

ELECTROLYTESSolutions of Electrolytes
 Solutions of Electrolytes
 Solutions of Electrolytes in Non-aqueous Solvents and Mixtures
 Electrolyte Solutions
 Solutions of Electrolytes

T. Shedlovsky
 J. C. Poirier
 E. C. Evers, R. L. Kay
 H. L. Friedman
 T. F. Young,
 D. E. Irish

9:45-56
 10:247-72
 11:21-40
 12:171-94
 13:435-58

FUSED SALTS

Fused Salts

E. R. Van Artsdalen,
 G. E. Blomgren

11:273-306

GEOCHEMISTRY		
Marine Geochemistry	E. D. Goldberg	12:29-48
HIGH TEMPERATURE CHEMISTRY		
High Temperature Chemistry	J. L. Margrave	10:457-86
High Temperature Chemistry	P. W. Gilles	12:355-80
High Temperature Chemistry	J. Drowart, P. Goldfinger	13:459-78
ION EXCHANGE		
Ion Exchange Resins and Membranes	W. J. Argersinger, Jr.	9:157-78
Ion Exchange	H. F. Walton	10:123-44
Ion Exchange	R. Kunin	12:381-88
KINETICS		
Kinetics of the Solid State	N. H. Nachtrieb	12:107-26
Fifty Years of Chemical Kineticists	H. Taylor	13:1-18
KINETICS - GASES		
Reaction Kinetics and Mechanisms of Gas Phase Reactions	D. Garvin	9:201-20
The Kinetics of Reactions in Gases	A. F. Trotman-Dickenson	10:53-76
Gaseous Reactions	J. G. Calvert	11:41-64
Kinetics of Gas Phase Reactions	W. D. Walters	12:411-32
Gas Kinetics	M. Boudart	13:241-58
KINETICS - SOLUTIONS		
Reaction Kinetics in Solution	A. Fava	9:221-44
Kinetics of Reactions in Solution	M. Eigen, J. S. Johnson	11:307-34
Kinetics of Reactions in Solution	H. Zollinger	13:391-408
METEORITES		
Radiochemistry of Meteorites	O. A. Schaeffer	13:151-70
NUCLEAR MAGNETIC RESONANCE		
Nuclear and Electron Spin Resonance	J. E. Wertz	9:93-122
Nuclear and Paramagnetic Resonance	G. K. Fraenkel, B. Segal	10:435-56
Nuclear and Electron Resonance	R. Bersohn	11:369-90
Nuclear and Electron Spin Resonance	S. I. Weissman	12:151-70
Electron and Nuclear Spin Resonance	R. G. Shulman	13:325-50
NUCLEIC ACIDS		
Selected Aspects of the Physical Chemistry of Polynucleotides and Nucleic Acids	B. H. Zimm, N. R. Kallenbach	13:171-94
OPTICAL ROTATORY POWER		
Optical Rotatory Power	W. Kuhn	9:417-38
ORGANIC REACTIONS		
Physical Organic Chemistry	R. W. Taft, Jr., N. C. Deno, P. S. Skell	9:287-314
Physical Organic Chemistry	V. Gold	10:169-90
Physical Organic Chemistry	J. Hine	11:65-86
Physical Organic Chemistry	A. N. Bourns, E. Buncel	12:1-28
PHASE DIAGRAMS		
Heterogeneous Equilibria and Phase Diagrams	R. F. Porter	10:219-46
PHOTOSYNTHESIS		
Photosynthesis	J. D. Spikes, B. C. Mayne	11:501-30
POLYMERS		
Mechanical Properties of High Polymers	H. Leaderman	9:179-200
Block and Graft Copolymers	G. M. Burnett	10:103-22
Polymer Solutions	E. F. Casassa	11:477-500

INDEX OF CHAPTER TITLES

527

Physical Properties of High Polymers	K. H. Illers, H. G. Kilian, R. Kosfeld	12:49-82
Steric Factors in Vinyl Polymerization	C. Schuerch	13:195-220
PRESSURE		
High Pressure Developments	H. T. Hall, S. S. Kistler	9:395-416
PROTEINS		
Proteins and Synthetic Polypeptides	H. A. Scheraga	10:191-218
Proteins and Synthetic Polypeptides	E. Katchalski, I. Z. Steinberg	12:433-64
QUANTUM THEORY		
Quantum Theory of Electronic Structure of Molecules	M. Kotani, Y. Mizuno, K. Kayama, H. Yoshizumi	9:245-64
Quantum Theory, Theory of Molecular Structure and Valence	J. A. Pople	10:331-48
Quantum Theory of Electronic Structure of Molecules	P. -O. Löwdin	11:107-32
Quantum Theory: Electronic Structure and Reactivity of Large Organic Molecules	T. Fueno	12:303-24
Quantum Theory: Higher Order Vibronic Interactions	A. D. Liehr	13:41-76
RADIATION CHEMISTRY		
Radiation Chemistry	M. Lefort	9:123-56
Radiation Chemistry	A. Charlesby, A. J. Swallow	10:289-330
Radiation Chemistry	W. H. Hamill	11:87-106
Radiation Chemistry	J. L. Magee	12:389-410
Radiation Chemistry	M. S. Matheson	13:77-106
RADICALS		
Trapped Energetic Radicals	J. L. Franklin, H. P. Broida	10:145-68
SOLID STATE		
The Solid State	L. Guttmann	9:73-92
The Solid State	W. J. Moore	10:409-34
The Solid State	N. B. Hannay, W. Kaiser, C. D. Thurmond	11:407-26
The Solid State	N. B. Hannay	13:305-24
SOLUTIONS - NONELECTROLYTES		
Solutions of Nonelectrolytes	J. S. Rawlinson	9:57-72
Solutions of Nonelectrolytes	G. S. Rushbrooke	10:273-88
Solutions of Nonelectrolytes	R. D. Dunlap	11:427-48
Solutions of Nonelectrolytes	B. J. Alder	12:195-226
Solutions of Nonelectrolytes	M. L. McGlashan	13:409-34
SPECTROSCOPY		
Spectroscopy	M. K. Wilson, V. A. Crawford	9:339-58
Electronic Spectra of Organic Compounds	J. R. Platt	10:349-88
Molecular Electronic Spectroscopy	W. C. Price	11:133-48
Molecular Electronic Spectroscopy	D. A. Ramsay	12:255-84
Donor-Acceptor Complexes	R. S. Mulliken, W. B. Person	13:107-26
SPECTROSCOPY - INFRARED		
Molecular Electronic Spectra	G. Herzberg	9:315-38
Vibration-Rotation Spectra	R. M. Hexter	10:389-408
Vibration-Rotation Spectroscopy	D. H. Whiffen	11:335-46
Vibration-Rotation Spectroscopy	B. Kirtman, M. L. Benson, P. C. Cross	12:285-302
Vibrational-Rotational Spectroscopy	H. C. Allen, Jr., W. B. Olson	13:221-40

INDEX OF CHAPTER TITLES

STATISTICAL MECHANICS

Statistical Mechanics	C. F. Curtiss	9:379-94
Some Aspects of Statistical Theory of Transport	S. A. Rice, H. L. Frisch	11:187-272
Statistical Mechanics of Chemical Processes	R. M. Mazo	12:83-106

STRUCTURE - CRYSTALS

Phase Transitions in Plastic Crystals	L. A. K. Staveley	13:351-68
---------------------------------------	-------------------	-----------

STRUCTURE - MOLECULES

Quantum Theory of Electronic Structure of Molecules	M. Kotani, Y. Mizuno, K. Kayama, H. Yoshizumi	9:245-64 9:359-78
Experimental Molecular Structure	D. P. Stevenson, J. A. Ibers	10:31-52
Experimental Molecular Structure	O. Bastiansen, E. W. Lund	
Quantum Theory, Theory of Molecular Structure and Valence	J. A. Pople	10:331-48
Quantum Theory of Electronic Structure of Molecules	P. -O. Löwdin	11:107-32
Quantum Theory: Electronic Structure and Reactivity of Large Organic Molecules	T. Fueno	12:303-24

STRUCTURE - SOLIDS

Structure of Solids	W. C. Hamilton	13:19-40
---------------------	----------------	----------

SURFACE CHEMISTRY (INCLUDING COLLOIDS)

Surface Chemistry and Contact Catalysis	A. G. Oblad, A. Farkas	9:265-86
Colloid and Surface Chemistry	A. C. Zettlemoyer	9:439-68
Physical and Chemical Properties of Surfaces	J. M. Honig	10:77-102
Colloid Chemistry	J. H. Schulman	11:169-86
Surface Chemistry	W. G. McMillan	11:449-76
Surface Catalysis	H. Taylor	12:127-50

THERMOCHEMISTRY AND THERMODYNAMICS

Thermochemistry and Thermodynamic Properties of Substances	M. A. Paul	9:1-26
Thermochemistry and Thermodynamic Properties of Substances	J. M. Sturtevant	10:1-30
Thermochemistry and Thermodynamic Properties of Substances	J. P. McCullough	11:1-20
Thermochemistry and Thermodynamic Properties of Substances	B. J. Zwolinski, A. Danti	12:325-54
Thermochemistry and Thermodynamic Properties of Substances	D. W. Osborne, L. Stein	13:127-50

1. *Chloris viridis* (L.)